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NOTICE OF ALLOWANCE AND FEE(S) DUE

52349

7500

04/03/2008

WENDEROTH, LIND & PONACK L.L.P. 2033 K. STREET, NW SUITE 800 WASHINGTON, DC 20006

EXAMINER				
BLACK, LINH				
ART UNIT PAPER NUMBER				

2163 DATE MAILED: 04/03/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541.029	06/28/2005	Yuko Imanishi	2005 0922A	2304

TITLE OF INVENTION: GARBAGE COLLECTION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/03/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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2033 K. STREE SUITE 800		.CK L.L.P.] ; ;	I her State addre trans	eby certify that this is Postal Service wi essed to the Mail mitted to the USPT	Fee(s th suff Stop O (57)) Transmittal is being ficient postage for first ISSUE FEE address a () 273-2885, on the da	deposited with the United class mail in an envelope above, or being facsimile te indicated below.
WASHINGTON	I, DC 20006		[(Depositor's name)
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			l					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/541,029	06/28/2005		Yuko Imanishi				2005_0922A	2304
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nonprovisional	NO	\$1440	\$300	•	\$0		\$1740	07/03/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
BLACK	, LINH	2163	707-206000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a single registered attorney	a single firm (having as a member a ney or agent) and the names of up to ent attorneys or agents. If no name is				
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☐ Issue Fee			A check is enclose	ed.		_		nown above)
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	tus (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMALI	L ENT	TTY status. See 37 CF	R 1.27(g)(2).
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2033 K. STREET,	NW		ART UNIT	PAPER NUMBER			
SUITE 800 WASHINGTON, DC 20006		2163 DATE MAILED: 04/03/200	8				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 370 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 370 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/541,029	IMANISHI ET AL.			
Notice of Allowability	Examiner	Art Unit			
	LINH BLACK	2163			
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS			
1. 🔀 This communication is responsive to the amendment filed :	<u>2/15/08</u> .				
2. X The allowed claim(s) is/are 1 and 3-16 (Renumbered as 1-	<u>15)</u> .				
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 					
2. ☐ Certified copies of the priority documents have					
3. ☐ Copies of the certified copies of the priority does	• • • • • • • • • • • • • • • • • • • •				
International Bureau (PCT Rule 17.2(a)).	saments have been received in this i	lational stage application from the			
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAMINER	S AMENDMENT or NOTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	et he submitted				
(a) ☐ including changes required by the Notice of Draftspers		948) attached			
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	- · · · · · · · · · · · · · · · · · · ·	o ro, allaonoa			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		ffice action of			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the					
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT					
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 Notice of Informal D	otant Application			
 Induce of References Cited (PTO-692) Induce of Draftperson's Patent Drawing Review (PTO-948) 	 5. ☐ Notice of Informal P 6. ☐ Interview Summary 	, ,			
,	Paper No./Mail Dat	ė .			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>1/31/08</u> 	7. 🗌 Examiner's Amendn	nent/Comment			
4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance of Biological Material					
-	9.				

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach the combination of limitations in the amended independent claims 1, 11, 13, especially, "wherein the detection unit performs the detection only when the currently-executed thread has not yet been subject to examination by the examination unit; and the detection unit includes: a finding sub-unit operable to, when the detection has performed, store, to a working memory area that corresponds to the currently-executed thread, the object pointer detected as the processing target and an object pointer of an object that can be reached from the object pointer detected as the processing target; and

a management sub-unit operable to, while execution of a selected thread is being stopped by the examination unit, manage, as a non-freeing target, an object that can be reached from the object pointer stored in the working memory area corresponding to the currently executed thread."

Rautenbach et al. (US 2002/0165848) do not fairly teach limitations listed above.

Dependent claims 3-10, 12, and 14-16 incorporate the listed limitations by reference and contain limitations that further distinguish over the art of record. For these reasons, claims 3-10, 12, and 14-16 are considered allowable over the art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to LINH BLACK whose telephone number is 571-272-

4106. The examiner can normally be reached on Mon.-Thurs...

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LINH BLACK Examiner Art Unit 2163

March 26, 2008

/don wong/

Application/Control Number: 10/541,029 Page 4

Art Unit: 2163

Supervisory Patent Examiner, Art Unit 2163